CAFO FACILITY INSPECTION REPORT

OFFICE NO: PCA SYSTEM TASK NO:

INSPECTOR(S): Anthony D'Angelo (PG Environmental, LLC)

FACILITY INFORMATION

8365995001 WDID NUMBER	**James Jongsma** OWNER NAME	**James Jongsma Dairy No. 2** FACILITY NAME
CAG018001 NPDES NUMBER	**Ex. 6 Personal Privacy (PP)** OWNER ADDRESS	FACILITY ADDRESS
R8-2007-0001 RWQCB ORDER NO.	**Pixley, CA 93256** OWNER CITY AND STATE	**Ontario, CA 91761** FACILITY CITY AND STATE
04/12/2013 SCHEDULED INSPECTION DATE	**James Jongsma** OWNER CONTACT	**Jesse Jongsma** FACILITY CONTACT
04/11/2013 ACTUAL INSPECTION DATE	**Ex. 6 Personal Privacy (PP)** OWNER PHONE NO.	FACILITY PHONE NO.
Santa Ana River RECEIVING WATER	**Ex. 6 Personal Privacy (PP)** FACILITY LATITUDE	FACILITY LONGITUDE

INSPECTION TYPE

- ☐ (A1) "A" type compliance -- (EPA Type S)
- ☒ (B1) "B" type compliance -- (EPA Type C)
- ☐ (02) Noncompliance follow-up - Correction of a previously identified violation
- ☐ (03) Enforcement follow-up - Enforcement action is being met
- ☐ (04) Complaint - Complaint
- ☐ (05) Pre-requirement
- ☐ (06) Miscellaneous

_____ (Type) NOTE: If this is an EPA inspection not mentioned above, please note type (e.g., biomonitoring, performance audit, diagnostic, etc.)

No	Was the inspection pre-announced?
Yes	Were potential violations noted during this inspection?
No	Was this a quality assurance-based inspection?
No	Were bioassay samples collected?
No	Were water quality samples collected?

INSPECTION SUMMARY

The overall Facility rating, on a 1 (Unreliable) to 5 (Very Reliable) scale, was determined to be: 3 = Satisfactory.

James Jongsma Dairy No. 2 (hereinafter, Facility) was rated "Satisfactory" due to the following items

- **A depth marker was not implemented in lagoon No. 2 located in the southwest portion of the Facility (refer to Photo 14)**
- **Weekly Storm Water Management Structure visual inspection records were not available for review at the time of the inspection**
- **The EWMP was not available for review at the time of the inspection**
- **Accumulated solids and vegetation growth was observed in lagoon Nos. 1 and 2 located in the southwestern portion of the Facility (refer to Photos 10 through 14)**

INSPECTOR DATA

INITIALS AJD SIGNATURE _____ DATE 04/11/2013

CIWQS DATA ENTRY DATE: _____ REGIONAL BOARD FILE NUMBER: _____

FOR INTERNAL USE: REVIEWED BY: (1)_____ (2) _____ (3) _____

REPORT PREPARED BY: Anthony D'Angelo (PG Environmental, LLC) ON 04/29/2013

EPA SUGGESTED INSPECTION CHECKLIST

☒ Permit	☐ Flow Measurement	☐ Pretreatment	☒ Operations & Maintenance
☒ Records/Reports	☐ Laboratories	☐ Compliance Schedules	☐ Sludge Disposal
☒ Facility Site Review	☐ Eff/Receiving Waters	☐ Self- Monitoring	☐ Other

POTENTIAL VIOLATIONS

1. A depth marker was not implemented in lagoon No. 2 located in the southwest portion of the Facility, as required by Permit Attachment B - Monitoring and Reporting Program, Section I.B.1 (refer to Photo 14).

Description of Potential Violation: **Refer to Item No. 1 of the 'Inspection Observations' section of this report for additional details**

2. The EWMP was not available for review at the time of the inspection as required by Provision VII.C.3.c of the Permit.

Description of Potential Violation: **Refer to Item No. 1 of the 'Engineered Waste Management Plan Review' section of this report for additional details.**

3. Accumulated manure solids and vegetation growth was observed in lagoon Nos. 1 and 2 located in the southwest portion of the Facility (refer to Photos 10 through 14). The Discharger must design and maintain all containment structures per the EWMP as required by Provision VII.C.3.a of the Permit.

Description of Potential Violation: **Refer to item Nos. 1 and 2 of the 'Facility Housekeeping, Wastewater, and Manure Information' section of this report for additional details.**

Date of Potential Violation: **N/A**

Date of Potential Violation Determination: **April 11, 2013**

INSPECTION OBSERVATIONS

On April 11, 2013, a Concentrated Animal Feeding Operation (CAFO) inspection was conducted for Santa Ana Water Board Order No. R8-2007-0001 - 'General Waste Discharge Requirements for Concentrated Animal Feeding Operations (Dairies and Related Facilities) within the Santa Ana Region', NPDES General Permit No. (CAG018001) at James Jongsma Dairy No. 2 in Ontario, California (refer to Photo 1). The inspector spoke with Mr. James Jongsma (Owner, James Jongsma Dairy No. 2) via telephone at approximately 1:50 PM on April 11, 2013. Mr. Jongsma informed the inspector that the primary operator, Mr. Jesse Jongsma (Manager, James Jongsma Dairy No. 2) was out of town on his honeymoon; therefore, was unable to assist the inspector during the inspection. In addition, he informed the inspector that he was not comfortable with the inspector proceeding onsite alone due to safety reasons. Therefore, Mr. Jongsma son, Brian Jongsma (Manager, James and John Jongsma Dairy) arrived onsite and met with the inspector at approximately 2:00 PM. Mr. Brian Jongsma accompanied the inspector during the Facility site visit. A records review was not conducted due to the fact that the primary operator, Mr. Jesse Jongsma, was out of town and that all of the records were maintained inside the locked onsite residence. The inspector held a closing conference with Mr. Brian Jongsma at the conclusion of the inspection. During the closing conference, the inspector reviewed the preliminary inspection findings with the Facility representative.

The Facility is a 32-acre dairy farm with an animal population of approximately 960 milking cows and 120 dry cows at the time of the inspection. Process wastewater from the milking barn and wash pen is piped west to a conveyance ditch along the western Facility perimeter (refer to Photos 2, 3, and 4). Typically, the conveyance ditch flows into lagoon No. 1; however, at the time of the inspection, process wastewater from the conveyance ditch was being routed into evaporation pond No. 3 because the operator was attempting to dry lagoon Nos. 1 and 2 for cleaning purposes (refer to Photos 5 and 6). Process wastewater that accumulates in lagoon Nos. 1 and 2 located in the southwestern portion of the Facility can be pumped into three (3) evaporation ponds located in the central-west and northwestern portion of the Facility (refer to Photos 7, 8, and 9). Mr. Brian Jongsma stated that due to the poor condition of the Facility containment structures when the Discharger took operational control of the Facility less than one (1) year ago, the operator has been attempting to dry lagoon Nos. 1 and 2 in order to engage in lagoon cleaning activities. In addition, he stated that until lagoon Nos. 1 and 2 can be completely dried out and cleaned of all accumulated solids, all process wastewater will be stored in the three (3) evaporation ponds. Evaporation pond Nos. 2 and 3 contained process wastewater at the time of the inspection (refer to Photos 6, 7, and 9). Surface runoff from all corrals flows south down the cow lane to the southern Facility perimeter, then west into lagoon No. 1 (refer to Photo 15).

Mr. Brian Jongsma stated that the corrals are typically cleaned three (3) to four (4) times per year and were last cleaned one week prior to the inspection (refer to Photo 16). All manure is hauled offsite by Maryville Trucking; however, manure tracking manifests were unavailable for review due to the absence of the primary operator. A manure stockpile was observed in the eastern portion of the Facility, adjcent to Haven Avenue (refer to Photo 17). In addition, Mr. Brian Jongsma stated that all mortalities are removed from the Facility immediately by Stiles Animal Removal, Inc.

FACILITY

CAFO Size: **Large** (at time of inspection)
Total Acres: **32**
Production Area Acres: **29**

CONTAINMENT STRUCTURES

Wastewater Lagoons: **2**
Evaporation Ponds: **3**
Catch Basins: **0**
Depth Markers: **3**
Other: **N/A**

ANIMALS ONSITE DURING INSPECTION

Milk Cows: **960** Dry Cows: **120** Heifers: **0**

Calves: **0** Other: **N/A**

INSPECTION OBSERVATIONS

1. The inspector observed, during the inspection, that a depth marker was not implemented in lagoon No. 2 located in the southwestern portion of the Facility as required by the Permit (refer to Photos 14). Mr. Brian Jongsma stated that the operator had installed depth markers in all lagoons and evaporation ponds when the Discharger first took operational control of the Facility less than one (1) year ago. Permit Attachment B - Monitoring and Reporting Program, Section I.B.1 states that "a marker shall be placed within each pond or impoundment to indicate the minimum capacity necessary to contain the runoff and direct precipitation of the 25-year, 24-hour rainfall event."

ANNUAL REPORT REVIEW

ANNUAL REPORT

Monitoring Year: **N/A** Reviewed: **No** Signed & Certified: **Unknown**

Submittal Date: **N/A**

REPORTED ANIMAL POPULATION

Milk Cows: **N/A** Dry Cows: **N/A** Heifers: **N/A**

Calves: **N/A** Other: **N/A**

MANURE INFORMATION

Amount of manure spread on cropland at the Facility: **None**

Amount of manure hauled away from the Facility: **N/A**

Name and location of the composting operation, or, if the manure was hauled to cropland, the owner or tenant, and the destination address: **N/A**

1. All records, including Annual Reports, Manure Tracking Manifests, Nutrient Analyis Results, Weekly Storm Water Management Structure Inspection records, and the Engineered Waste Management Plan (EWMP) were not available for review at the time of the inspection. Mr. James Jongsma informed the inspector that the primary operator, Mr. Jesse Jongsma, was out of town on his honeymoon, and all records were maintained in Mr. Jesse Jongsma locked onsite residence. Therefore, inspection records were unable to be produced and were not reviewed at the time of the inspection.

ENGINEERED WASTE MANAGEMENT PLAN (EWMP) REVIEW

Did the inspector review the EWMP in the RWQCB file?	**Yes**
Did the Facility have a copy of the EWMP on-site and available for review?	**No**
EWMP preparation date:	**June 14, 2001**
EWMP prepared by:	**Nolte Associates, Inc.**
Santa Ana RWQCB EWMP acceptance date:	**Unknown**
EWMP was certified by the Facility's engineer/consultant on:	**September 2, 2003**

1. The EWMP was not available for review at the time of the inspection as required by the Permit. Mr. James Jongsma informed the inspector that the primary operator, Mr. Jesse Jongsma, was out of town on his honeymoon, and all records, including the EWMP, were maintained in Mr. Jesse Jongsma locked onsite residence. As a result, the inspector was unable to determine whether the EWMP is maintained onsite at the Facility. Provision VII.C.3.c of the Permit states that "a copy of the accepted Engineered Waste Management Plan (EWMP) for the facility shall be maintained on site and the person in charge of the dairy operation shall be familiar with its content."

NUTRIENT MANAGEMENT PLAN (NMP) REVIEW (IF APPLICABLE)

Did the Facility have a copy of the NMP on-site and available for review?	**N/A**
Date NMP was prepared:	**N/A**
NMP prepared by:	**N/A**
Santa Ana RWQCB NMP acceptance date:	**N/A**

1. The Discharger does not apply manure, litter, or process wastewater to croplands under their ownership or operational control; therefore, the Discharger is not required to develop, implement, and retain onsite a Nutrient Management Plan as stated in Provision VII.C.3.d of the Permit.

FACILITY HOUSEKEEPING, WASTEWATER, AND MANURE INFORMATION

Typical Depth of Manure in Corrals (in inches):	**1-2**
Estimated Freeboard in Fullest Lagoon (in feet):	**3**
Date of Last Lagoon Solids Removal, per Facility Representative:	**Never**
Disposal Location for Lagoon Solids:	**N/A**

CONDITION OF BERMS AND CONTAINMENT STRUCTURES

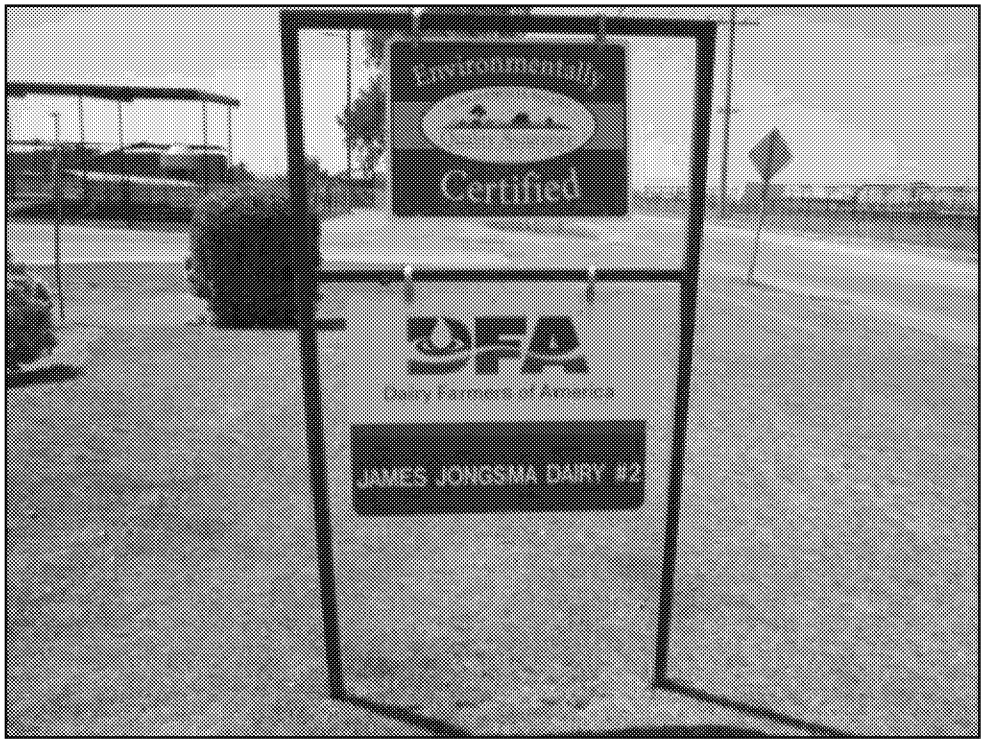
1. The inspector observed, during the inspection, accumulated solids in lagoon Nos. 1 and 2 located in the southwestern portion of the Facility (refer to Photos 12, 13, and 14). Mr. Brian Jongsma stated the Facility containment structures were in poor condition when the Discharger took operational control less than one (1) year ago, and that lagoon Nos. 1 and 2 were currently being dried out so they could be cleaned of accumualted solids. In addition, he stated that lagoon No.1 contained approximately three (3) feet of accumulated solids. It should be noted that item No. 5 of the 'Recommendations' section of the EWMP states that "lagoon #1 must be pumped down and maintained at a maximum depth of 5 feet to accommodate the runoff from the 25-year storm." As a result, the overall capacity of the containment structures at the Facility may be diminished. Provision VII.C.3.a of the Permit states that "the discharger shall design, construct and maintain containment structures to retain all wastewater within the facility, including all process wastewater and all precipitation on, and drainage

through, manured areas resulting from rainfall up to and including a 25-year, 24-hour rainfall event." The Discharger must design and maintain all containment structures per the EWMP as required by Provisions VII.C.3.a of the Permit.

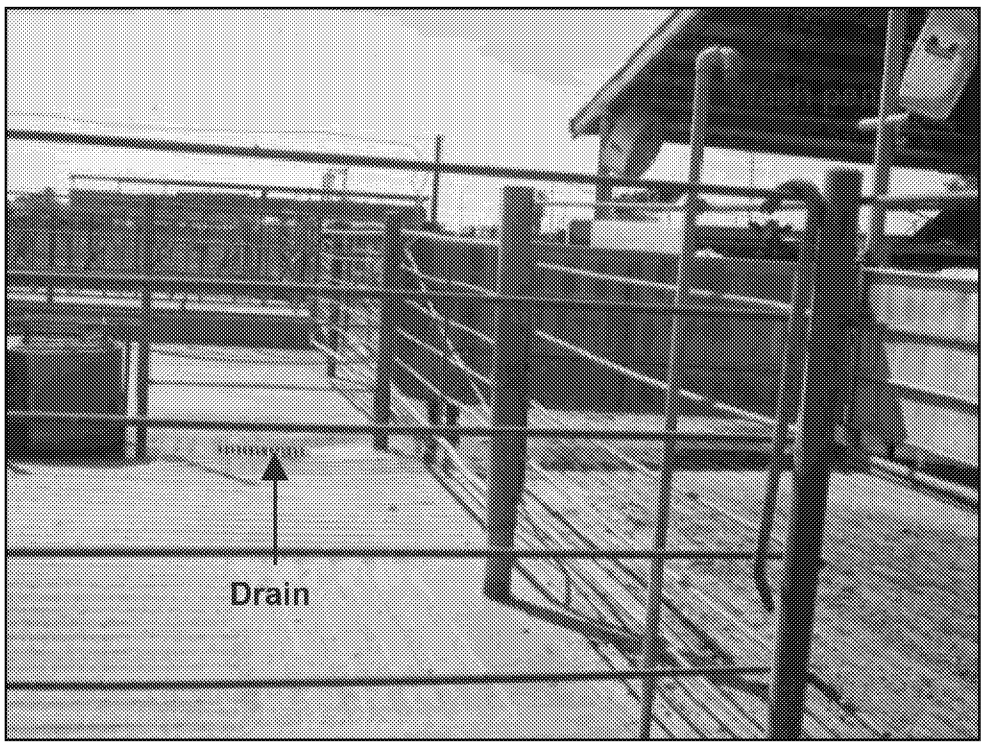
2. The inspector observed, during the inspection, that vegetation growth potentially affecting the containment structure capacity was observed in lagoon No. 1 located in the southwestern portion of the Facility (refer to Photos 10 and 11). Mr. Brian Jongsma stated the Facility containment structures were in poor condition when the Discharger took operational control less than one (1) year ago, and that lagoon Nos. 1 and 2 were currently being dried out so they could be maintained. It appeared to the inspector that the vegetative growth in lagoon No. 1 was most likely growing out of the accumulated lagoon solids (refer to Photo 11). As a result, the overall capacity of the containment structures at the Facility may be diminished. Provision VII.C.3.a of the Permit states that "the discharger shall design, construct and maintain containment structures to retain all wastewater within the facility, including all process wastewater and all precipitation on, and drainage through, manured areas resulting from rainfall up to and including a 25-year, 24-hour rainfall event." The Discharger must design and maintain all containment structures per the EWMP as required by Provisions VII.C.3.a of the Permit.

ITEMS FOR FOLLOW UP ON FUTURE INSPECTIONS

1. Verify depth markers are installed in all Facility containment structures
2. Verify weekly inspections are being conducted at the Facility
3. Verify nutrient analysis is being conducted for manure hauled offsite from the Facility
4. Verify manure tracking manifests are maintained
5. Verify the EWMP is maintained onsite
6. Verify the Facility containment structures are adequately maintained



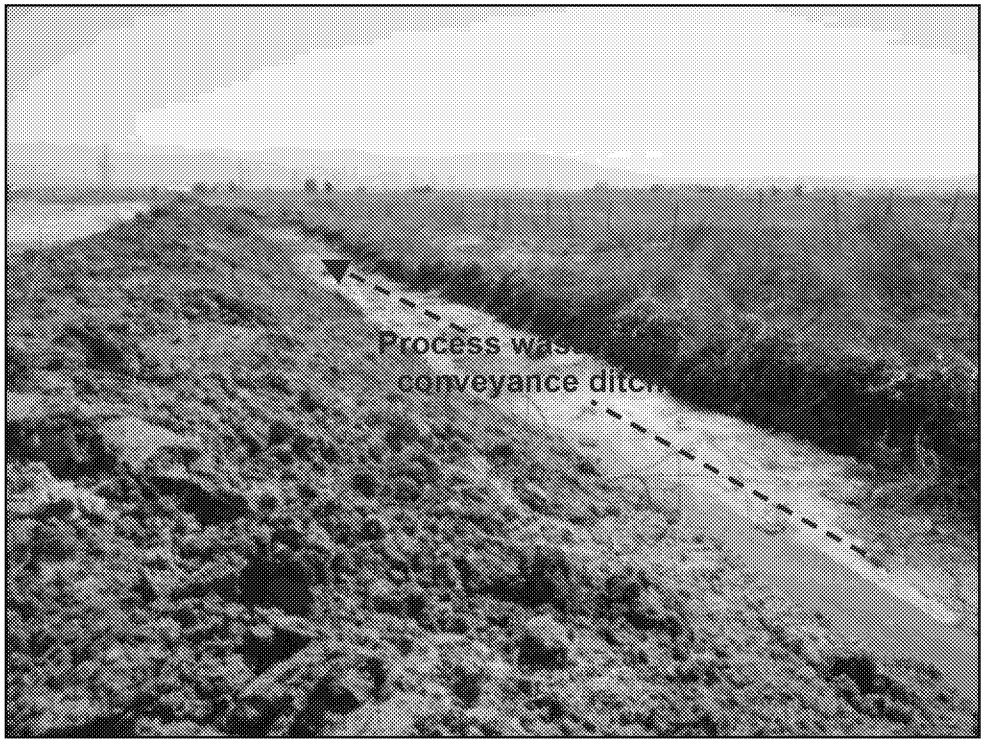
Photograph 1. James Jongsma Dairy No. 2 Facility sign.



Photograph 2. View facing west of the wash pen drain located on the south side of the milking barn. The drain conveys process wastewater west to a conveyance ditch that can be diverted into the Facility lagoons or evaporation ponds.

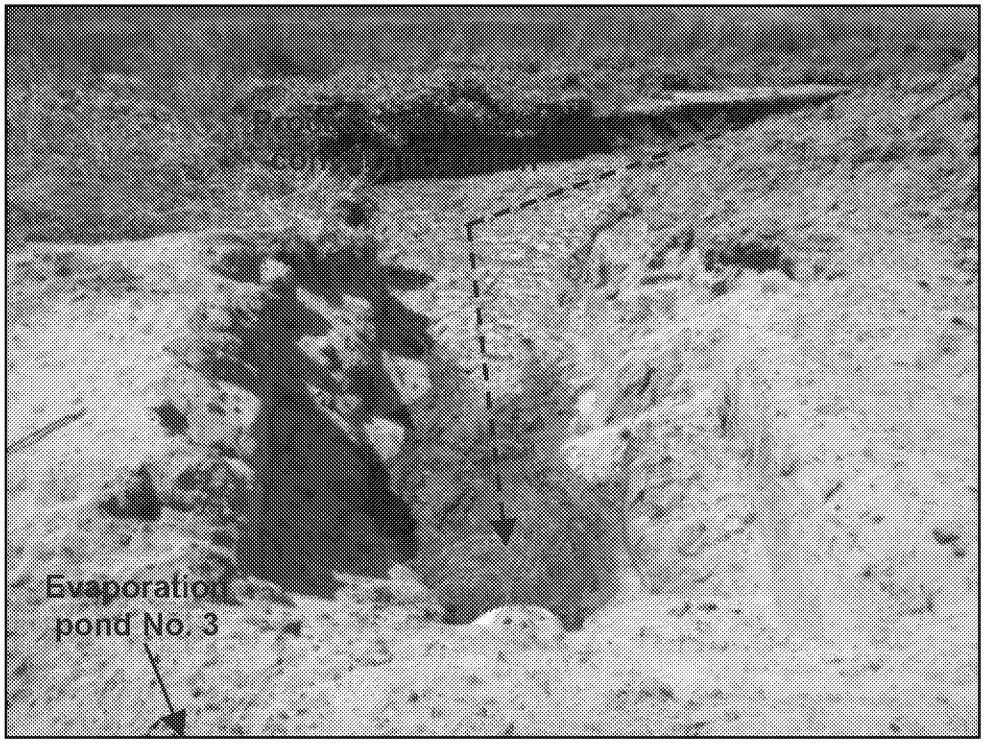
Inspection and Photograph Date: April 11, 2013

Photograph 3. View facing north of the process wastewater conveyance pipe outlet and conveyance ditch in the northwest corner of the Facility.

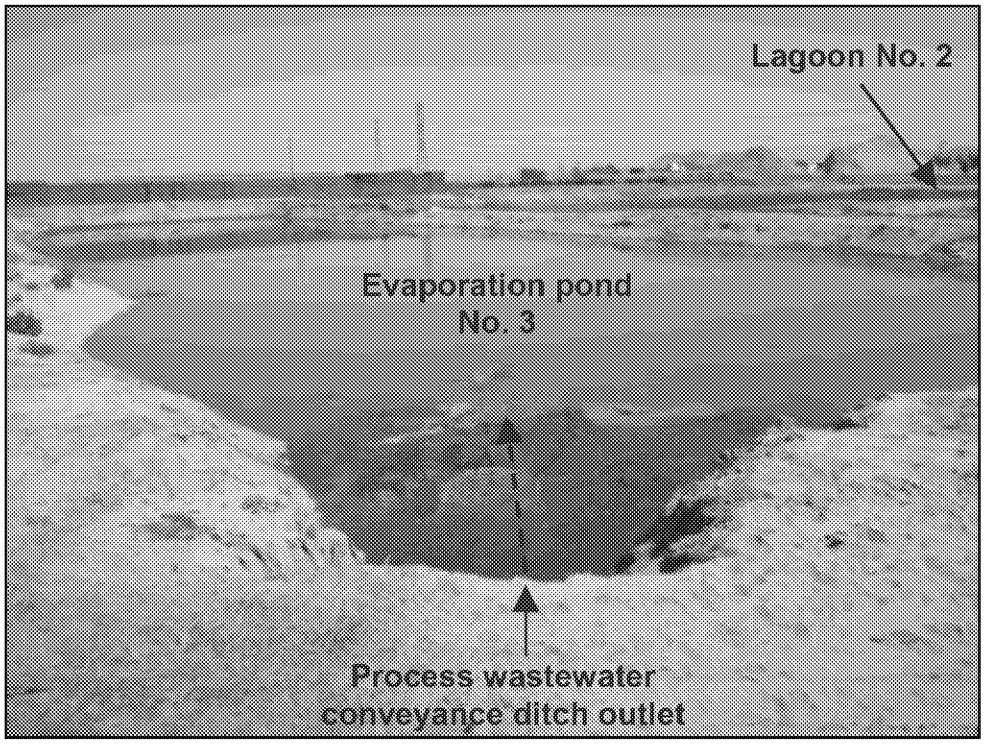


Photograph 4. View facing south of the process wastewater conveyance ditch along the west perimeter of the Facility. Note the ditch was actively conveying process wastewater into evaporation pond No. 3.

Inspection and Photograph Date: April 11, 2013

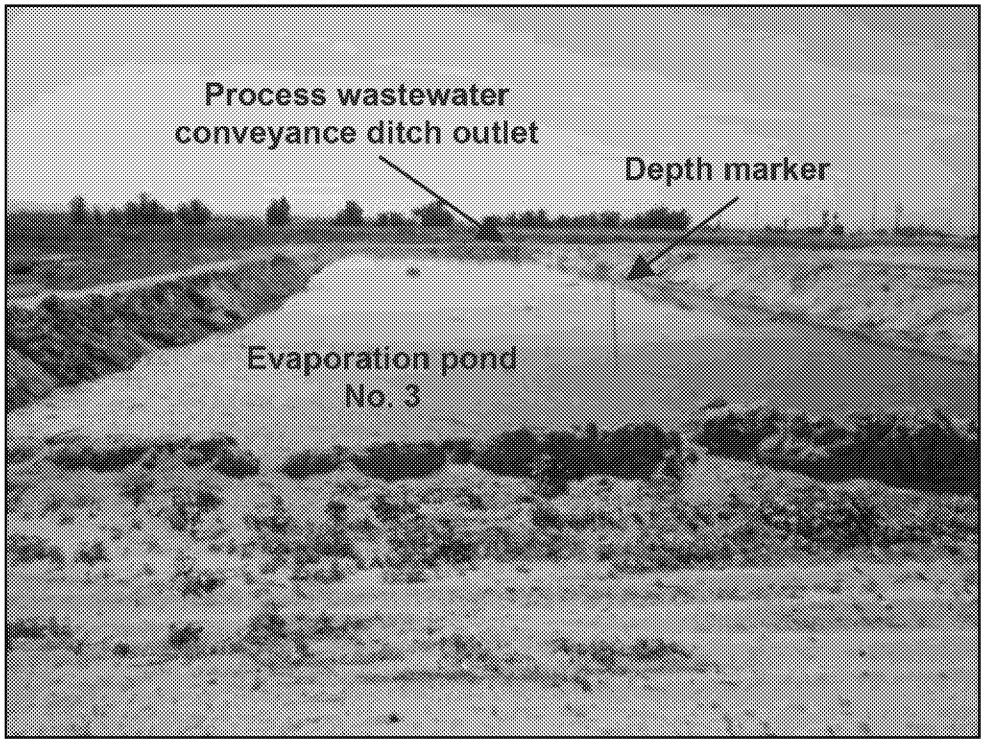


Photograph 5. View facing west of the process wastewater conveyance ditch diversion into the west side of evaporation pond No. 3.

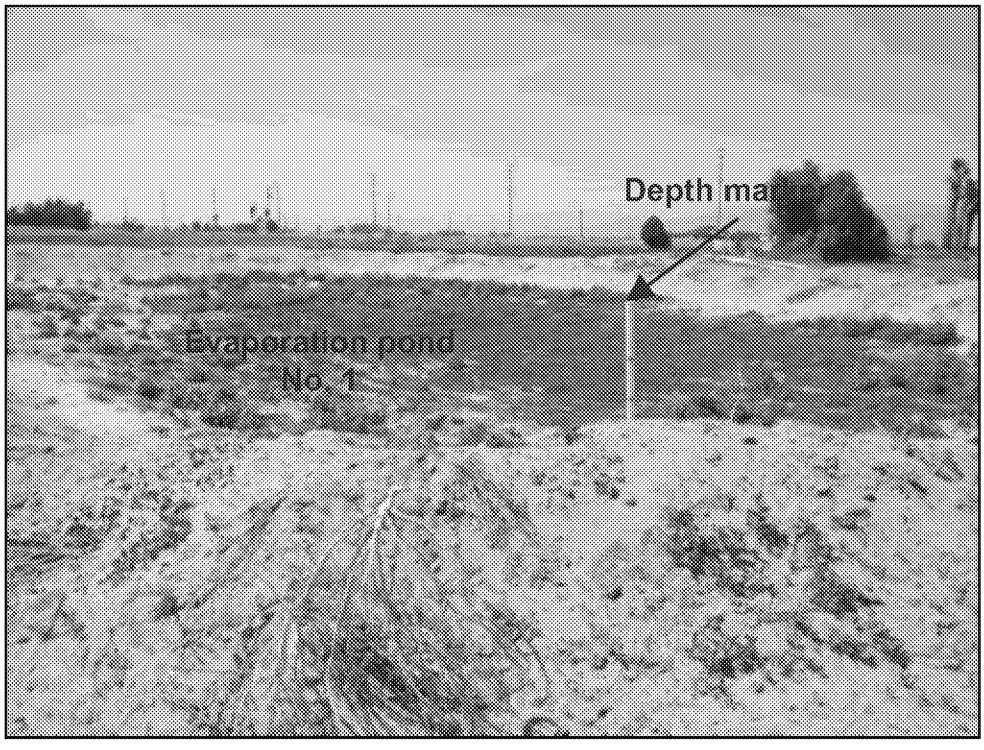


Photograph 6. View facing southeast of process wastewater actively flowing into evaporation pond No. 3, via the process wastewater conveyance ditch shown in Photographs 3, 4, and 5.

Inspection and Photograph Date: April 11, 2013

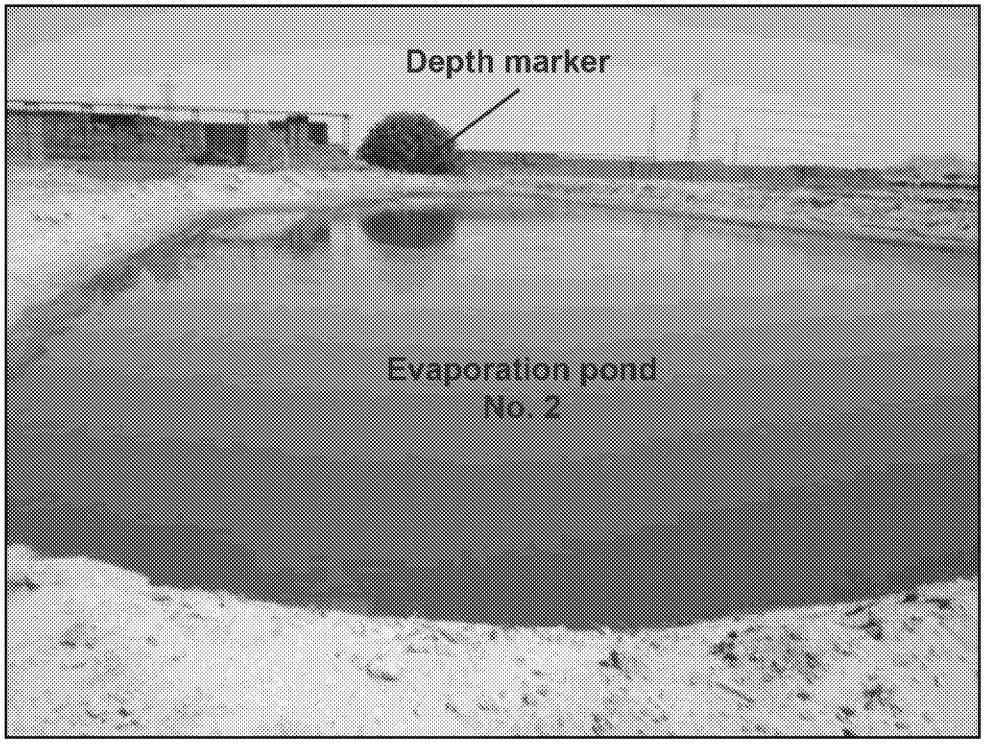


Photograph 7. View facing west of evaporation pond No. 3. Note this pond was receiving all process wastewater from the milking barn and wash pen at the time of the inspection.

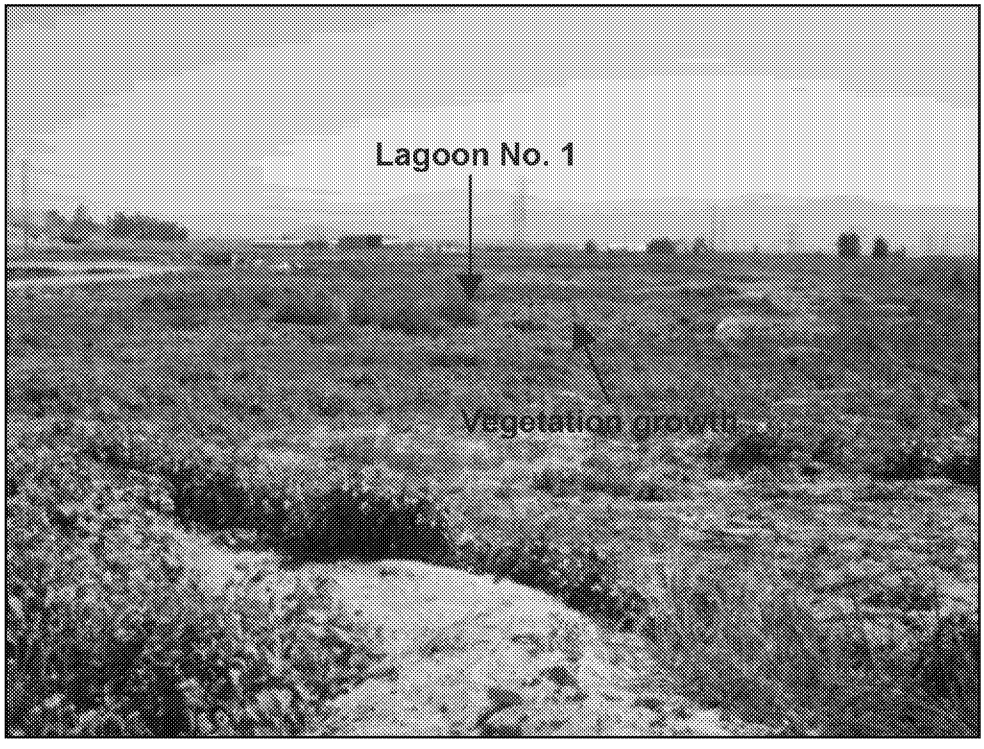


Photograph 8. View facing northwest of evaporation pond No. 1 located in the northwest portion of the Facility.

Inspection and Photograph Date: April 11, 2013

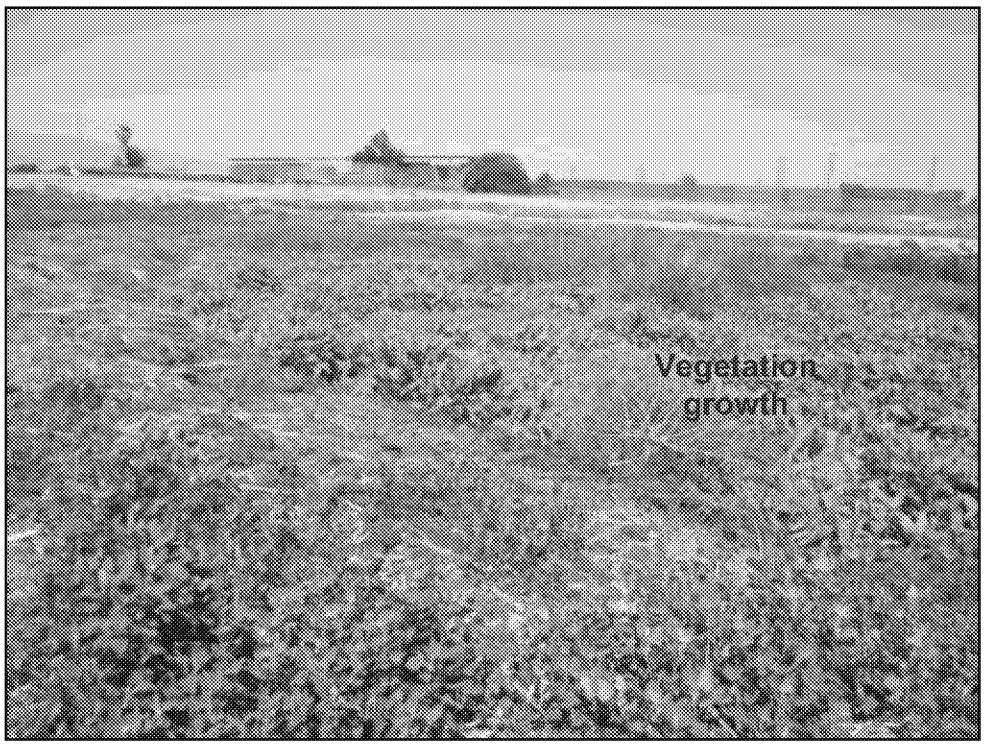


Photograph 9. View facing east of evaporation pond No. 2. Evaporation pond Nos. 2 and 3 contained process wastewater accumulation at the time of the inspection.



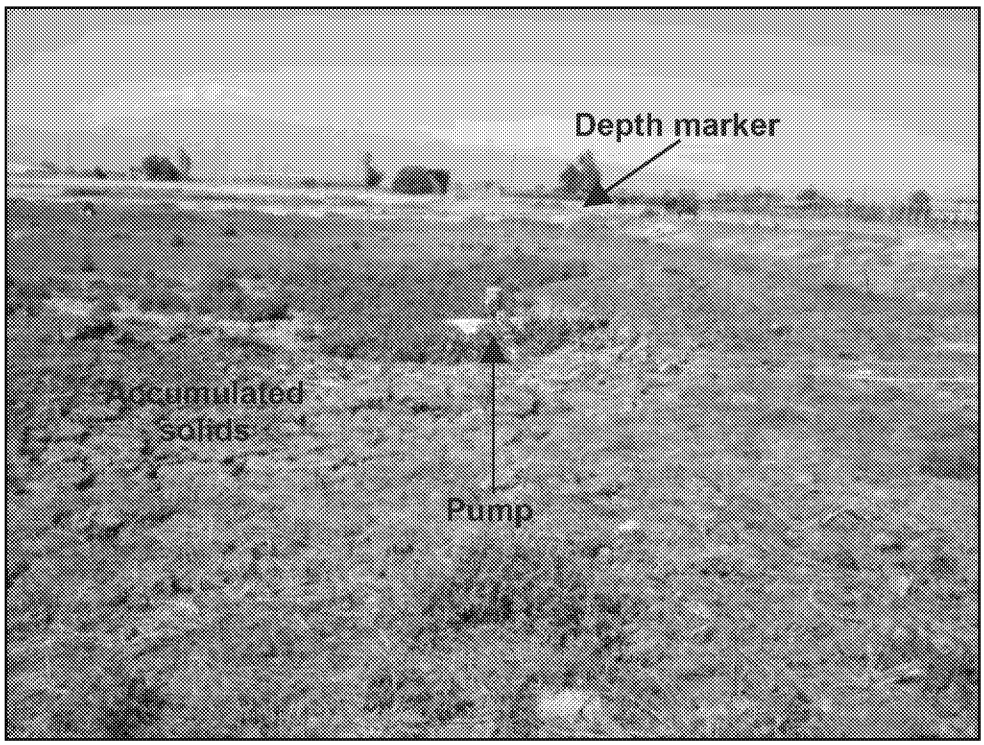
Photograph 10. View facing south of lagoon No. 1. Note the lagoon was observed containing accumulated solids and vegetation growth. Mr. Brian Jongsma stated the lagoon contained approximately three (3) feet of accumulated solids.

Inspection and Photograph Date: April 11, 2013

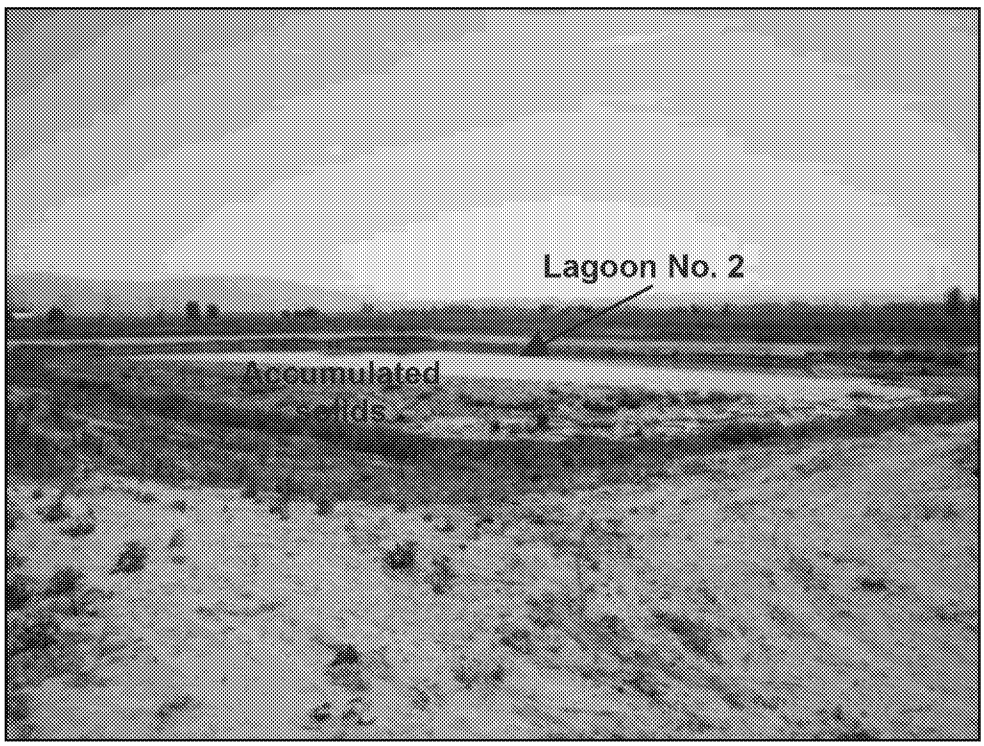


Photograph 11. View facing northeast of the vegetation growth on the north side of lagoon No. 1.

Photograph 12. View facing south of accumulated solids in lagoon No. 1.

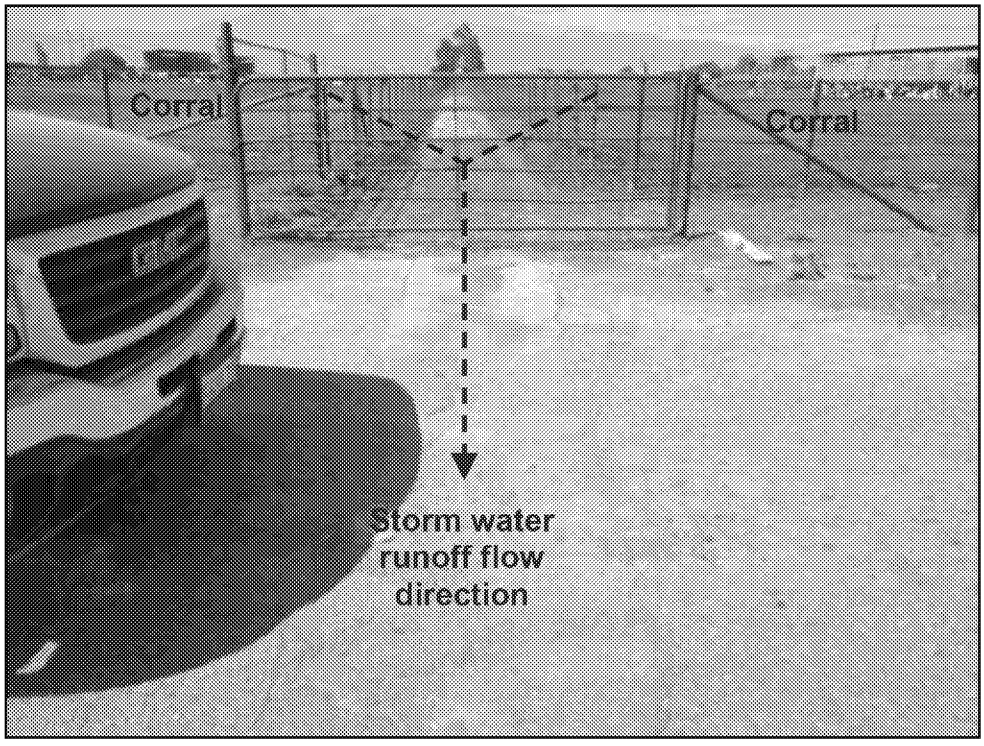


Photograph 13. View facing north of accumulated solids and a pump located on the southern side of lagoon No. 1.

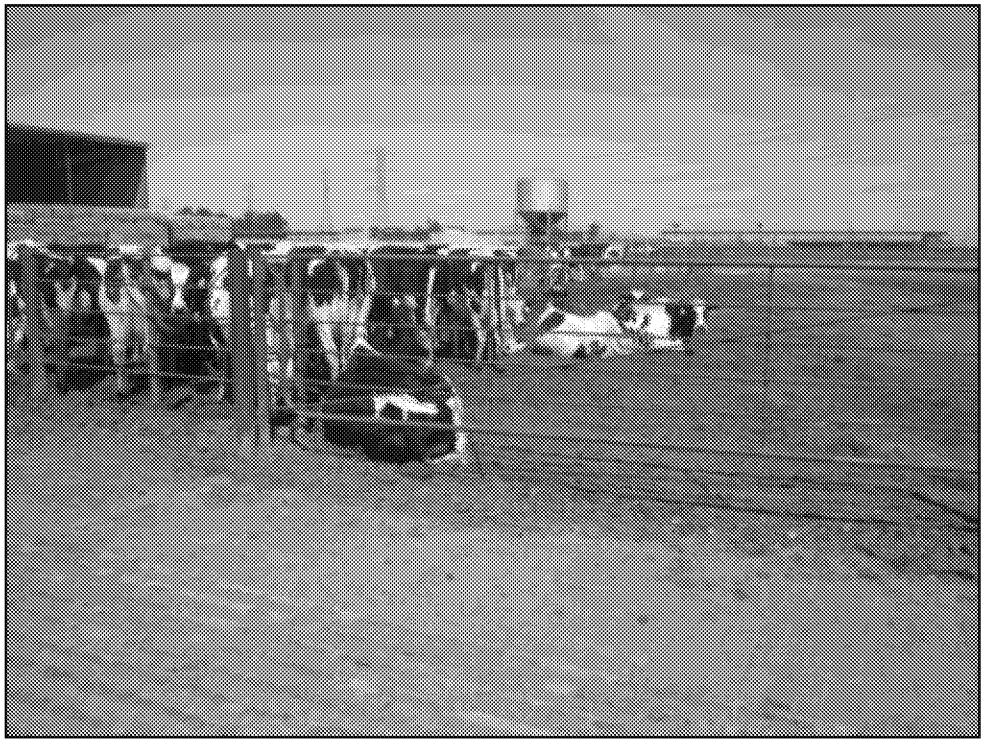


Photograph 14. View facing southwest of lagoon No. 2. Note the lagoon contained accumulated solids. Also note the lagoon did not contain a depth marker.

Inspection and Photograph Date: April 11, 2013



Photograph 15. View facing north of the corral cow lane. All storm water runoff from the corrals flows into the cow lane located in the center of the corrals. From the cow lane, storm water continues south to the southern Facility perimeter, and then west into lagoon No. 1.



Photograph 16. View facing northeast of the dry cow corral in the southeast corner of the Facility. Corrals appeared to be well maintained.

Inspection and Photograph Date: April 11, 2013

Photograph 17. View facing southwest of the manure stockpile located on the east side of the Facility, adjacent to Haven Avenue.